

LAND APPLICATION SITE

MICHAEL R DAVIS SITE

DWMRD 1-8

DINWIDDIE COUNTY

Piedmont Regional Office  
JAN 25 2012  
**RECEIVED**

Piedmont Regional Office  
JAN 25 2012  
**RECEIVED**



# RECYC SYSTEMS, INC

## PART D-VI BIOSOLIDS APPLICATION AGREEMENT

ESTATE OF ANNIE BOE

This biosolids application agreement is made on 3-16-12 between FRANCES B. HAUSER, EXECUTRIX referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee"

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as \_\_\_\_\_ ("landowner's land") Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number \_\_\_\_\_ which is held by the Permittee

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property Moreover, landowner acknowledges having been expressly advised that, in order to protect public health

1 Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols,

2 Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids,

3 Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days Other animals should be restricted from grazing for 30 days,

4 Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10 1-104 2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site,

5 Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare)

6 Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land This agreement may be terminated by either party upon written notice to the address specified below

Frances B. Hauser, Executrix  
Landowner Signature

Frances B. Hauser  
Landowner Print Name

Mailing Address

104 Lewis Drive

Seaford, VA 23696

Phone: 757 604 2853

Mailing Address

\_\_\_\_\_  
Farm Operator Signature

\_\_\_\_\_  
Farm Operator Print Name

Permittee

Recyc Systems, Inc

Mailing Address

P O Box 562

Remington Virginia 22734

(540) 547-3300

# RECYC SYSTEMS, INC

## PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 4-13-10 between Annice K. Boz referred to here as "landowner", and Recyc Systems, Inc. referred to here as the "Permittee"

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as \_\_\_\_\_ ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number \_\_\_\_\_ which is held by the Permittee

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols,

2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 36 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids,

3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days,

4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site,

5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare)

6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below

Landowner Signature

Mailing Address

11921 HAWKINS Rd.

Ford VA 23850

Phone 804-265-8171

Farm Operator Signature

Mailing Address

8184 Boll Rd Ford VA

Phone 265-7347 23850

Permittee

Recyc Systems, Inc.

Mailing Address

P.O. Box 562

Remington Virginia 22734

(540) 547-3300

# RECYC SYSTEMS, INC

## PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 10-27-11 between ROBERT A. WILLIAMS, JR referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee"

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as \_\_\_\_\_ ("landowner's land") Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number \_\_\_\_\_ which is held by the Permittee

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property Moreover, landowner acknowledges having been expressly advised that, in order to protect public health

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3 Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days Other animals should be restricted from grazing for 30 days,

4 Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10 1-104 2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site,

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6 Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land This agreement may be terminated by either party upon written notice to the address specified below

Robert A Williams, Jr.  
Landowner Signature

Robert A Williams, Jr  
Landowner Print Name

Michael R. Davis  
Farm Operator Signature

Michael R. Davis  
Farm Operator Print Name

Permittee

Recyc Systems, Inc

Mailing Address

10106 WHITE OAK RD.

FORD, VA. 23850

Phone

804-265-5129

Mailing Address

8184 BOZE Rd

FORD VA. 23850

Phone

(804) 265-7347

Mailing Address

P O Box 562

Remington Virginia 22734

(540) 547-3300

# FARM DATA SHEET

<b>SITE NAME:</b>	Michael RD Davis Site	<b>COUNTY:</b>	Dinnwiddie
<b>OWNER:</b>	See Attached List	<b>OPERATOR:</b>	Michaels RD Davis
<b>OWNER'S ADDRESS:</b>	See Attached List	<b>OPERATOR'S ADDRESS:</b>	8184 Boze Rd Ford, VA 23850
<b>OWNER'S TELEPHONE:</b>		<b>OPERATOR'S TELEPHONE:</b>	804-265-7347
<b>GENERAL FARM TYPE:</b>	Hay, Pasture	<b>CELLPHONE:</b>	
<b># CATTLE</b>	24	<b>EMAIL:</b>	
<b>LAGOON or SLURRY:</b>	None	<b>LATITUDE/</b>	37°06'36"
		<b>LONGITUDE 1-4</b>	77°45'45"
<b>TOPO QUAD:</b>	Darvills	<b>5-8</b>	37°06'01" 77°44'26"
<b>COMMENTS</b>			

MICHAEL R DAVIS SITE

LANDOWNERS

MICHAEL R DAVIS

TM40, P5C,5D

8184 BOZE RD

FORD, VA 23850

804-265-7347

ANNIE L BOZE

TM40,P16

11921 HAWKINS RD

FORD, VA 23850

804-265-8171

ROBERT A WILLIAMS, JR

TM41,P22

10106 WHITE OAK RD

FORD, VA 23850

804-265-5129

# Recyc Systems, Inc

## Michael R. Davis Site

County	Owner	Operator	FSA Tract No.	Recyc Field No.	Acres	Date of Last Application
Dinwiddie	Michael R Davis	Michael R Davis	T6033 Field 1	DWMRD 1	6 8	-
	Annie L Boze		T6033 Field 2	DWMRD 2	14 4	-
			T2207 Field 2	DWMRD 3	1 8	-
			T2207 Field 3	DWMRD 4	30 0	-
	Robert A Williams, Jr		T2231 Field 1	DWMRD 5	2 9	-
			T2231 Field 4	DWMRD 6	5 4	-
			T508 Fields 2,5,6	DWMRD 7	6 2	-
			T508 Field 3	DWMRD 8	5 6	-



# RECYC SYSTEMS, INC

## FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
DWMRD 1	6 8	-	-	-	-	CU20	TM40,P5C,5D	T6033
DWMRD 2	14 4	-	-	-	-	CU20	TM40,P5C,5D	T6033
DWMRD 3	1 8	-	-	-	-	CU20	TM40,P16	T2207
DWMRD 4	30 0	-	-	-	-	CU19,20	TM40,P16	T2207
DWMRD 5	2 9	-	-	-	-	CU19	TM41,P22	T2231
DWMRD 6	5 4	12B(Dec-Mar)	-	-	-	CU19	TM41,P22	T2231
DWMRD 7	6 2	12B(Dec-Mar)	-	-	-	CU19	TM41,P22	T508
DWMRD 8	5 6	-	-	-	-	CU19	TM41,P22	T508
TOTAL ACRES IN SITE	73 1							

Report Number 11-279-0503

Account Number 70594



www.aleastern.com

A&amp;L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To RECYC SYSTEMS INC  
SUSAN TRUMBO  
8455 WHITESHOP RD  
CULPEPER VA 22701

Grower  
DAVIS/DWMRD  
DINWIDDIE

Submitted By J B CRENSHAW  
Farm ID

## SOIL ANALYSIS REPORT

Analytical Method(s)  
Mehlich 3

Date Received 10/06/2011

Date Of Analysis 10/07/2011

Date Of Report 10/10/2011

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity		C E C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g	
1	01077	2.7	M	97	14		L	61	L	145	H	669	M			6.6	6.90	0.3	5.0	
2	01078	3.1	M	105	7		VL	58	L	153	H	687	M			6.5	6.89	0.4	5.2	
3	01079	1.5	L	76	83		H	17	VL	51	H	321	M			5.5	6.86	0.7	2.8	
4A	01080	1.5	L	75	39		M	44	L	81	H	512	M			6.2	6.88	0.5	3.8	
4B	01081	1.7	L	78	42		M	47	L	86	H	541	M			6.4	6.90	0.3	3.9	

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm	
1	3.1	24.2	66.9		5.9																				
2	2.9	24.5	66.1		7.5																				
3	1.6	15.2	57.3		25.7																				
4A	3.0	17.8	67.4		12.2																				
4B	3.1	18.4	69.4		8.9																				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low) L (Low) M (Medium) H (High) VH (Very High) ENR - Estimated Nitrogen Release C E C - Cation Exchange Capacity

Explanation of symbols: % (percent) ppm (parts per million), lbs/A (pounds per acre) ms/cm (milli-mhos per centimeter) meq/100g (milli-equivalent per 100 grams) Conversions: ppm x 2 = lbs/A Soluble Salts ms/cm x 640 = ppm

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by *Paucic McGroary*

Paucic McGroary

Report Number 11-279-0503

Account Number 70594



www.aleastern.com

# A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To RECYC SYSTEMS INC  
SUSAN TRUMBO  
8455 WHITESHOP RD  
CULPEPER VA 22701

Grower DAVIS/DWMRD  
DINWIDDIE

Submitted By J B CRENSHAW  
Farm ID

Date Received 10/06/2011

Date Of Report 10/10/2011

## SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash K <sub>2</sub> O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adjust pH to 6.8	0	1.0				0						
2	Adjust pH to 6.8	0	1.0				0						
3	Adjust pH to 6.8	0	1.8				29						
4A	Adjust pH to 6.8	0	1.3				0						
4B	Adjust pH to 6.8	0	1.0				0						

### Comments

#### Sample(s) 3

If dolomitic lime is not used, apply required magnesium with magnesium oxide Epsom Salts, K-Mag or Sul-PO-Mag

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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*Paucic McGeary*

Paucic McGroary

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		%	Rate	ENR lbs/A	Mehlich 33 ppm	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g		
5	01083	2.1	L	86	26		L	48	L	113	H	547	M			6.2	6.88	0.5		4.3
6	01084	1.5	L	75	39		M	28	VL	98	H	488	M			6.4	6.90	0.3		3.7
7	01085	1.5	L	75	27		L	25	VL	87	H	447	M			6.2	6.89	0.4		3.4
8	01086	1.6	L	77	21		L	36	VL	80	H	447	M			6.2	6.89	0.4		3.4

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> -N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm	
5	2.9	21.9	63.6		12.2																				
6	1.9	22.1	65.9		8.8																				
7	1.9	21.3	66.7		12.3																				
8	2.7	19.6	66.7		12.2																				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C E C - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A. Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by A&L Eastern Laboratories, Inc.

by *Paunc McGroary*

Paunc McGroary

Report Number 11-279-0503

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Grower  
DAVIS/DWMRD  
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Submitted By J B CRENSHAW  
Farm ID

Date Received 10/06/2011

Date Of Report 10/10/2011

### SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash K <sub>2</sub> O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
5	Adjust pH to 6.8	0	13				0						
6	Adjust pH to 6.8	0	10				0						
7	Adjust pH to 6.8	0	13				0						
8	Adjust pH to 6.8	0	13				0						

#### Comments

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGroary

## NUTRIENT MANAGEMENT PLAN IDENTIFICATION

### Operator

Michael Davis  
8184 Boze Road  
Ford, VA 23850  
804-265-7347

Integrator: None

### Farm Coordinates

Easting 0, Northing 0, zone 17

### Watershed Summary

watershed CU19  
county Dinwiddie

### Nutrient Management Planner

Recyc Systems Inc  
Recyc Systems, Inc  
P O Box 562  
Remington, Virginia 22734  
540 547 3300

Certification Code None

### Acreage Use Summary

Total Acreage in this plan 73.1  
Cropland 0 0  
Hayland 5 51.9  
Pasture 2 21.2  
Specialty 0 0

### Livestock Summary

Beef Cattle 0 0  
Dairy Cattle 0 0  
Poultry 0 0  
Swine 0 0  
Other 0 0

### Manure Production Balance

	Imported	Produced	Exported	Used	Net
kgals	0	0	0	0	0
tons	0	0	0	0	0

Plan written 1/2/2012  
Valid until 1/2/2012

Signature

Planner

date

THE PLANNER IS NOT STATE CERTIFIED

***Nutrient Management Plan Balance Sheet  
(Spring, 2012-Summer, 2013)  
Michael R. Davis  
Planner: Recyc Systems Inc.***

Tract 2207 Location Dinwiddie  
 (N = N based, 1P = P based, 1 5P = P based at 1 5 removal, 0P = No P allowed)

Field CFSA No /Name	Size (ac) Total/ Used	Yr	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bros N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
2/DWMRD 3(N)	2/2	2012	Fescue grass hay mt	70-40-130	0/0				70-40-130	N/A			
3/DWMRD 4(N)	30/30	2012	Fescue grass hay mt	90-80-200	0/0				90-80-200	N/A			

**Commercial Application Methods**

br - Broadcast ba - Banded sd - Sidedress

**Notes**



Tract 2231 Location Dinwiddie  
 (N = N based, 1P = P based, 1 5P = P based at 1 5 removal, 0P = No P allowed)

Field CFSA No /Name	Size (ac) Total/ Used	Yr	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/DWMRD 5(N)	3/3	2012	Fescue grass hay mt	70-60-120	0/0				70-60-120	N/A			
4/DWMRD 6(N)	5/5	2012	Fescue grass hay mt	90-80-220	0/0				90-80-220	N/A			
2,5,6/DWMRD 7(N)	6/6	2012	Fescue grass hay mt	90-90-220	0/0				90-90-220	N/A			
3/DWMRD 8(N)	6/6	2012	Fescue grass hay mt	70-60-130	0/0				70-60-130	N/A			

**Commercial Application Methods**

br - Broadcast ba - Banded sd - Sidedress

Notes

Tract 6033 Location Dinwiddie

(N = N based, 1P = P based, 1 5P = P based at 1 5 removal, 0P = No P allowed)

Field CFSAN /Name	Size (ac) Total/ Used	Yr	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/DWMRD 1(N)	7/7	2012	Grass Pasture	50-50-50	0/0				50-50-50	N/A			
2/DWMRD 2(N)	14/14	2012	Grass Pasture	50-60-50	0/0				50-60-50	N/A			

Commercial Application Methods

br - Broadcast ba - Banded sd - Sidedress

Notes

**THE PLANNER IS NOT STATE CERTIFIED**

**Michael R. Davis Narrative**

This is Michael Davis farm located in Dinwiddie County The farm consists of hay and pasture fields

This is a partial plan written for the purpose of obtaining a biosolids permit Biosolids application has not been shown since it is uncertain when a biosolids applicaiton will be obtained The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate

Soil Test Summary

Tract	Field	Acre	Date	P205	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
2207	DWMRD 3	2	2011-Fa	H (83 P ppm)	L (17 K ppm)	A&L Mill	55		
2207	DWMRD 4	30	2011-Fa	M (39 P ppm)	L+ (44 K ppm)	A&L Mill	62		
2231	DWMRD 5	3	2011-Fa	M- (26 P ppm)	L+ (48 K ppm)	A&L Mill	62		
2231	DWMRD 6	5	2011-Fa	M (39 P ppm)	L (28 K ppm)	A&L Mill	64		
2231	DWMRD 7	6	2011-Fa	M- (27 P ppm)	L (25 K ppm)	A&L Mill	62		
2231	DWMRD 8	6	2011-Fa	M- (21 P ppm)	L (36 K ppm)	A&L Mill	62		
6033	DWMRD 1	7	2011-Fa	L (14 P ppm)	M- (61 K ppm)	A&L Mill	66		
6033	DWMRD 2	14	2011-Fa	L- (7 P ppm)	M- (58 K ppm)	A&L Mill	65		

### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Gram	Alfalfa	Grass Hay	Environmental Warnings
2207 2207/	2207/2	DWV MRD 3	2 Applin	Appling IV	IVa I	II II	III	III	
	2207/3	DWV MRD 4 3	30 Ceci	Cecil IV	IVa I	II II	III	II	
2231 2231/	2231/1	DWV MRD 5	3 Herndo	Herndon IV	IVa I	II II	III	III	
	2231/4	DWV MRD 6	5 Mattap	Mattaponi Ili	IIIa I	II II	III	II	
	2231/2,5, D 6	DWV MRD 7	6 Mattap	Mattaponi Ili	IIIa I	II II	III	II	
	2231/3	DWV MRD 8	6 Herndo	Herndon IV	IVa I	II I	N	III	
6033 6033/	6033/1	DWV MRD 1	7 Applin	Appling IV	IVa I	III II	III	III	
	6033/2	DWV MRD 2 1	14 Applin	Appling IV	IVa I	II II	III	III	

### Yield Range

Field Productivity Group	Corn Gram Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	≥6	≥4 0
II	150-170	70-80	56-64	4-6	3 5-4 0
III	130-150	60-70	48-56	≤4	3 0-3 5
IV	100-130	50-60	40-48	NA	≤3 0
V	≤100	≤50	≤40	NA	NA

## Farm Summary Report

Plan                      New Plan                      Spring, 2012 - Summer, 2013

**Farm Name:** Michael R. Davis  
Location Dinwiddie  
Specialist Recyc Systems Inc  
N-based Acres 73 1  
P-based Acres 0 0

**Tract Name:** 508  
FSA Number 508  
Location Dinwiddie

**Tract Name:** 2207  
FSA Number 2207  
Location Dinwiddie

**Field Name:** DWMRD 3  
Total Acres 1 80 Usable Acres 1 80  
FSA Number 2  
Tract 2207  
Location Dinwiddie  
Slope Class B Hydrologic Group B

Riparian buffer width 0 ft  
Distance to stream 0 ft

**Conservation Practices.**  
Pasture (>75% cover)

*P-Index Summary*  
N-based  
Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

### Soil Test Results:

DATE	PH	P	K		Lab
Fa-2011	5 5	H(83 P ppm)	L(17 K ppm)	A&L MIII	

**Soils**

PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

**Field Warnings:****Crop Rotation:**

PLANTED	YIELD	CROP NAME
2012-Sp	2 5 tons	Fescue grass (hay), maint - No Till

**Field Name: DWMRD 4**

Total Acres	30 00	Usable Acres	30 00
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FSA Number	3
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Tract	2207
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Location	Dinwiddie
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Slope Class	B	Hydrologic Group	B
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Riparian buffer width 0 ft

Distance to stream 0 ft

**Conservation Practices:**

Pasture (>75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Fa-2011	6 2	M(39 P ppm)	L+(44 K ppm)	A&L MIII	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
40	2B Appling	
60	4B Cecil	

**Field Warnings:**

**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2012-Sp	3 1 * tons	Fescue grass (hay), maint - No Till

**Tract Name:** 2231  
**FSA Number** 2231  
**Location** Dinwiddie

**Field Name:** DWMRD 5

Total Acres	2 90	Usable Acres	2 90
FSA Number	1		
Tract	2231		
Location	Dinwiddie		
Slope Class	B	Hydrologic Group	B

Riparian buffer width 0 ft  
Distance to stream 0 ft

**Conservation Practices:**

Pasture (>75% cover)

**P-Index Summary**

N-based  
Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Fa-2011	6 2	M-(26 P ppm)	L+(48 K ppm)	A&L Mill	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	10B	Herndon

**Field Warnings:**

**Crop Rotation:**



PLANTED YIELD CROP NAME  
2012-Sp 2 5 tons Fescue grass (hay), maint - No Till

**Field Name.** DWMRD 6  
Total Acres 5 40 Usable Acres 5 40  
FSA Number 4  
Tract 2231  
Location Dinwiddie  
Slope Class B Hydrologic Group C

Riparian buffer width 0 ft  
Distance to stream 0 ft

**Conservation Practices:**  
Pasture (>75% cover)

*P-Index Summary*  
N-based  
Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

**Soil Test Results.**  
DATE PH P K Lab  
Fa-2011 6 4 M(39 P ppm) L(28 K ppm) A&L MIII

**Soils:**  
PERCENT SYMBOL SOIL SERIES  
7 10B Herndon  
93 12B Mattaponi

**Field Warnings:**

**Crop Rotation:**  
PLANTED YIELD CROP NAME  
2012-Sp 3 4 \* tons Fescue grass (hay), maint - No Till

**Field Name:** DWMRD 7  
Total Acres 6 20 Usable Acres 6 20  
FSA Number 2,5,6

Tract 2231  
Location Dinwiddie  
Slope Class B Hydrologic Group C

Riparian buffer width 0 ft  
Distance to stream 0 ft

**Conservation Practices:**

Pasture (>75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Fa-2011	6.2	M-(27 P ppm)	L(25 K ppm)	A&L Mill	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	12B	Mattaponi

**Field Warnings:**

**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2012-Sp	3.5 tons	Fescue grass (hay), maint - No Till

**Field Name: DWMRD 8**

Total Acres	5.60	Usable Acres	5.60
FSA Number	3		
Tract	2231		
Location	Dinwiddie		
Slope Class	B	Hydrologic Group	B

Riparian buffer width 0 ft  
Distance to stream 0 ft

**Conservation Practices**

Pasture (&gt;75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

**Soil Test Results**

DATE	PH	P	K		Lab
Fa-2011	6.2	M-(21 P ppm)	L(36 K ppm)	A&L MIII	

**Soils**

PERCENT	SYMBOL	SOIL SERIES
3	2C	Appling
39	8B	Georgeville
58	10B	Herndon

**Field Warnings****Crop Rotation:**

PLANTED	YIELD	CROP NAME
2012-Sp	2.9 * tons	Fescue grass (hay), maint - No Till

**Tract Name: 6033**

FSA Number 6033

Location Dinwiddie

**Field Name: DWMRD 1**

Total Acres 6.80 Usable Acres 6.80

FSA Number 1

Tract 6033

Location Dinwiddie

Slope Class C Hydrologic Group B

Riparian buffer width 0 ft

Distance to stream 0 ft

**Conservation Practices.**

Pasture (&gt;75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

**Soil Test Results.**

DATE	PH	P	K		Lab
Fa-2011	6.6	L(14 P ppm)	M-(61 K ppm)	A&L MIII	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
5	2B	Appling
95	2C	Appling

**Field Warnings:****Crop Rotation:**

PLANTED	YIELD	CROP NAME
2012-Sp	2.3 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint - No Till

**Field Name: DWMRD 2**

Total Acres 14.40 Usable Acres 14.40

FSA Number 2

Tract 6033

Location Dinwiddie

Slope Class B Hydrologic Group B

Riparian buffer width 0 ft

Distance to stream 0 ft

**Conservation Practices:**

Pasture (&gt;75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
Fa-2011	6.5	L-(7 P ppm)	M-(58 K ppm)	A&L Mill

**Soils.**

PERCENT	SYMBOL	SOIL SERIES
58	2B	Appling
42	2C	Appling

**Field Warnings.****Crop Rotation.**

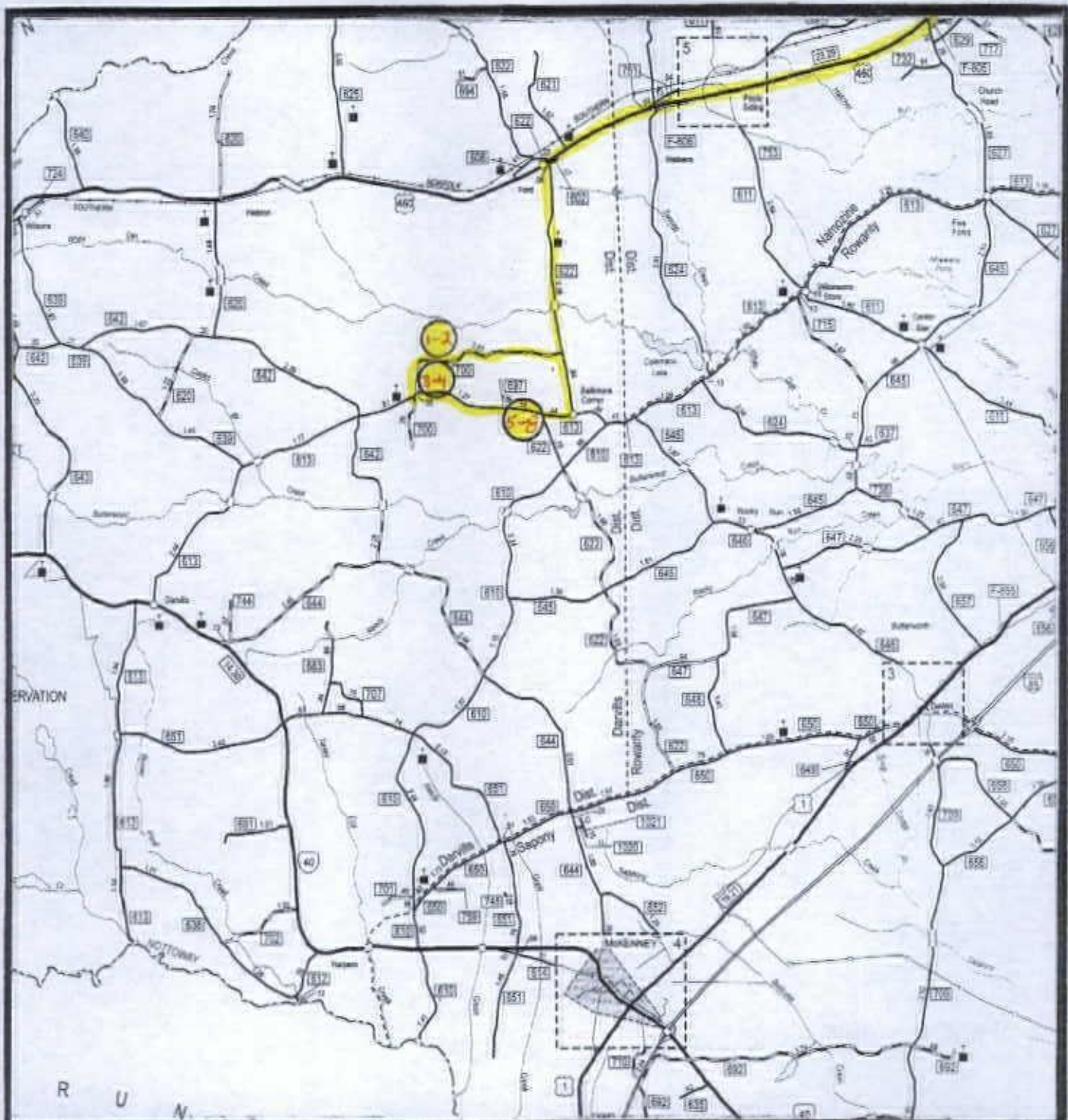
PLANTED	YIELD	CROP NAME
2012-Sp	2.3 acres/AU	Orchard grass/fescue pastures<=25% legume, maint - No Till



# MAPS

# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:**

1 inch = 2 miles

DWMRD 1-8

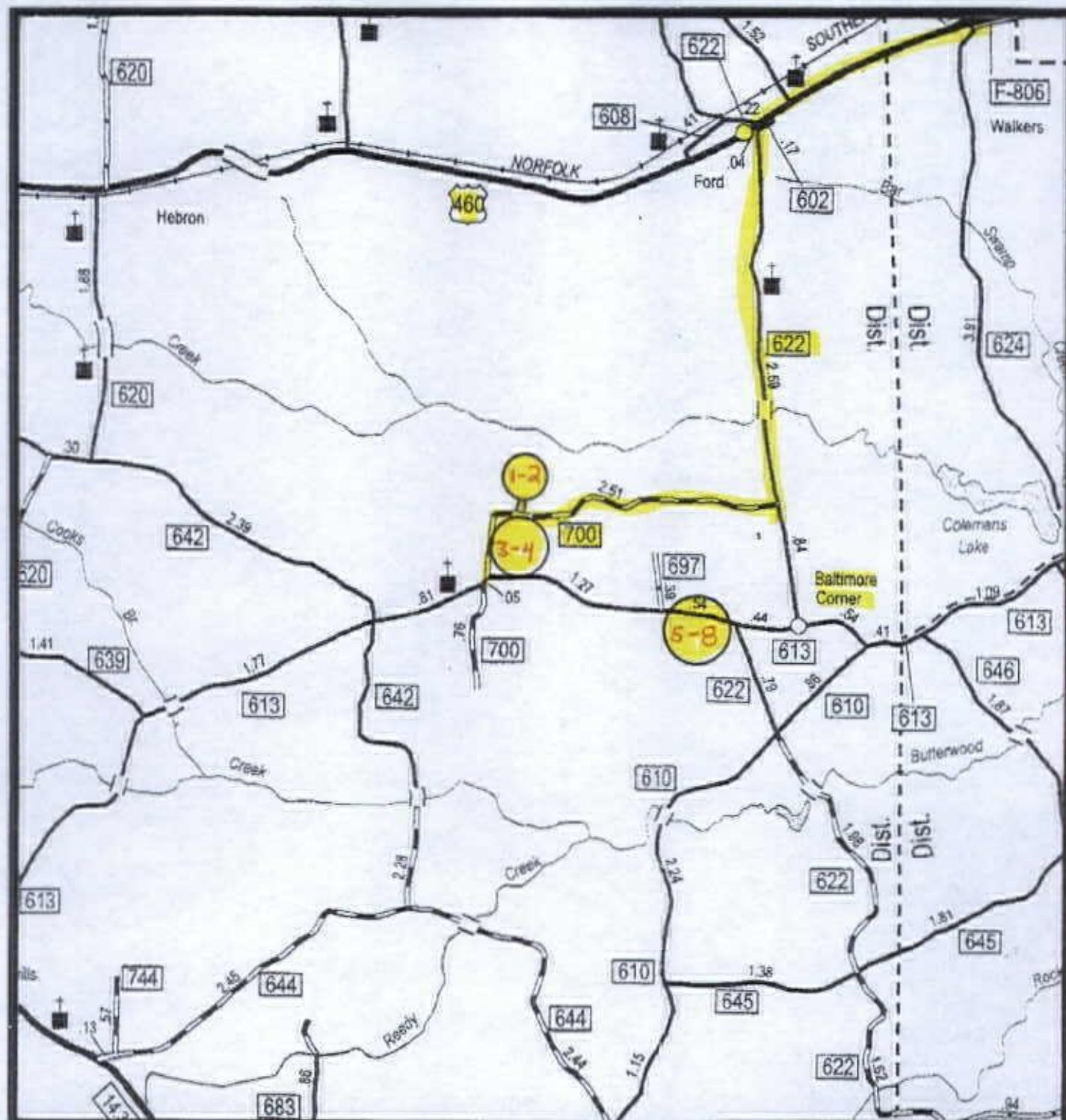
**VICINITY MAP**





**Inc.**

**(Biosolids Land Application)**



**Scale:**

1 inch = 1 mile

DWMRD 1-8

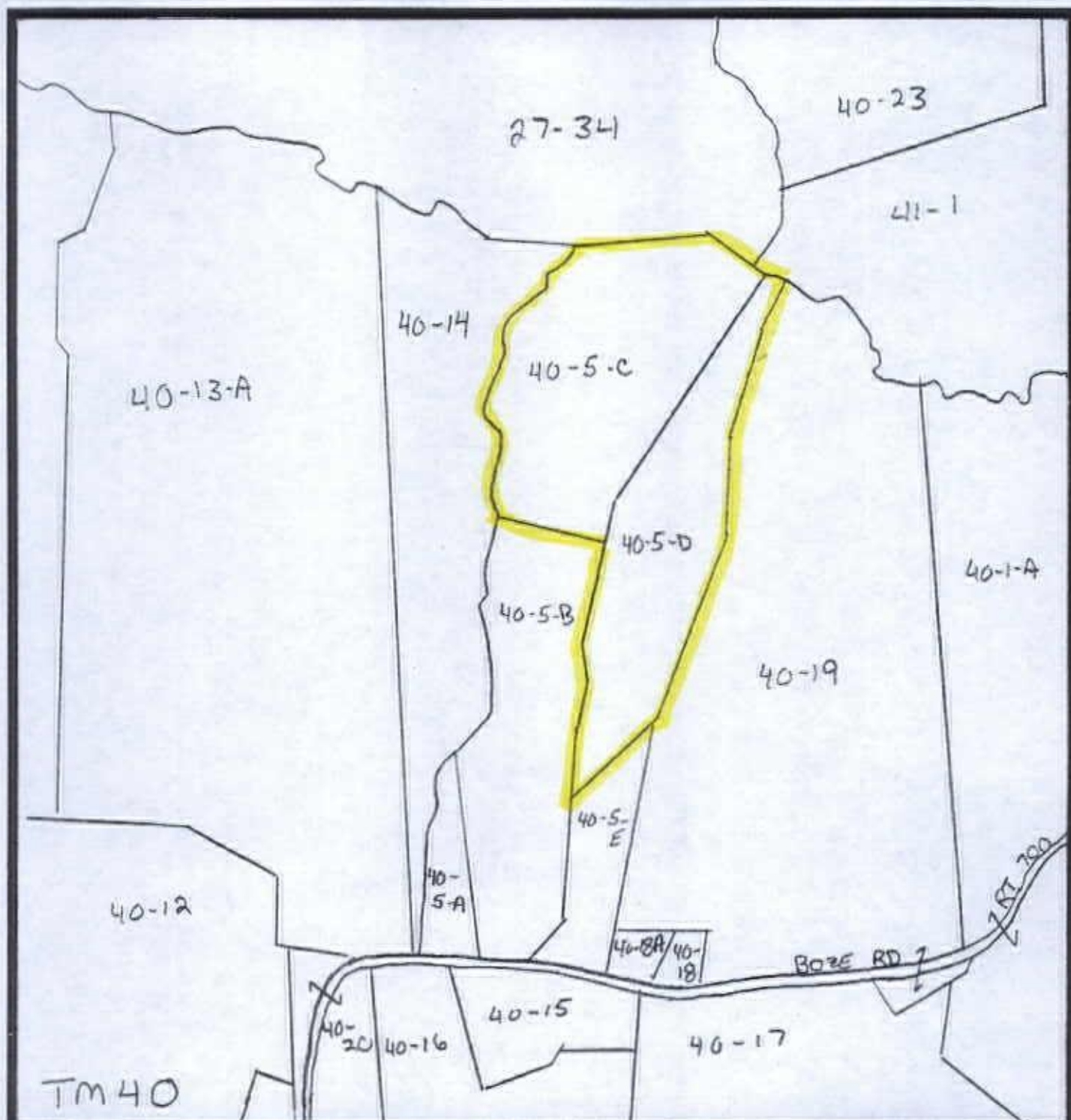
### VICINITY MAP





**Inc.**

**(Biosolids Land Application)**



**Scale:**

1 inch = 660 feet

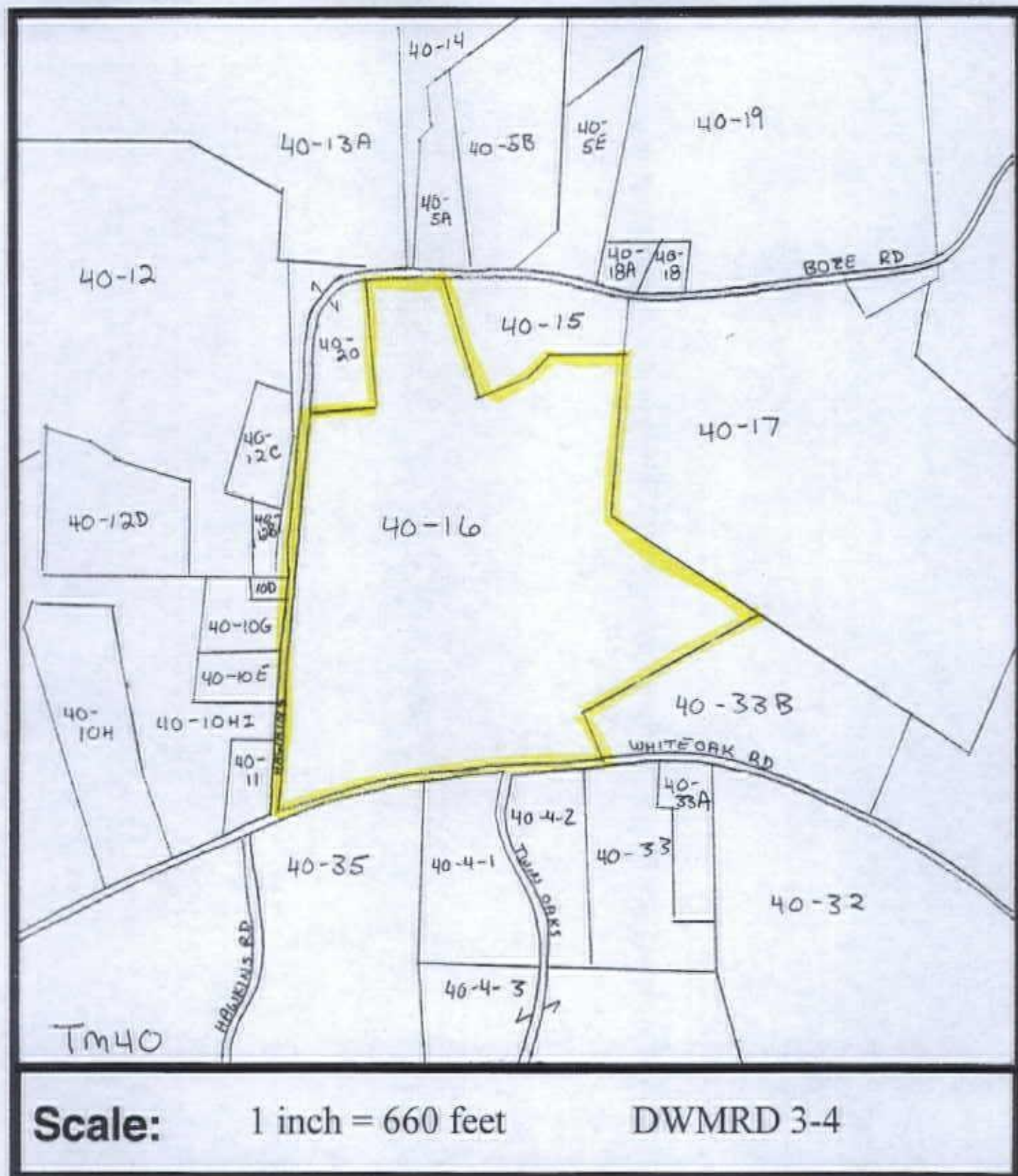
DWMRD 1-2

## TAX MAP



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



Scale:

1 inch = 660 feet

DWMRD 3-4

TAX MAP

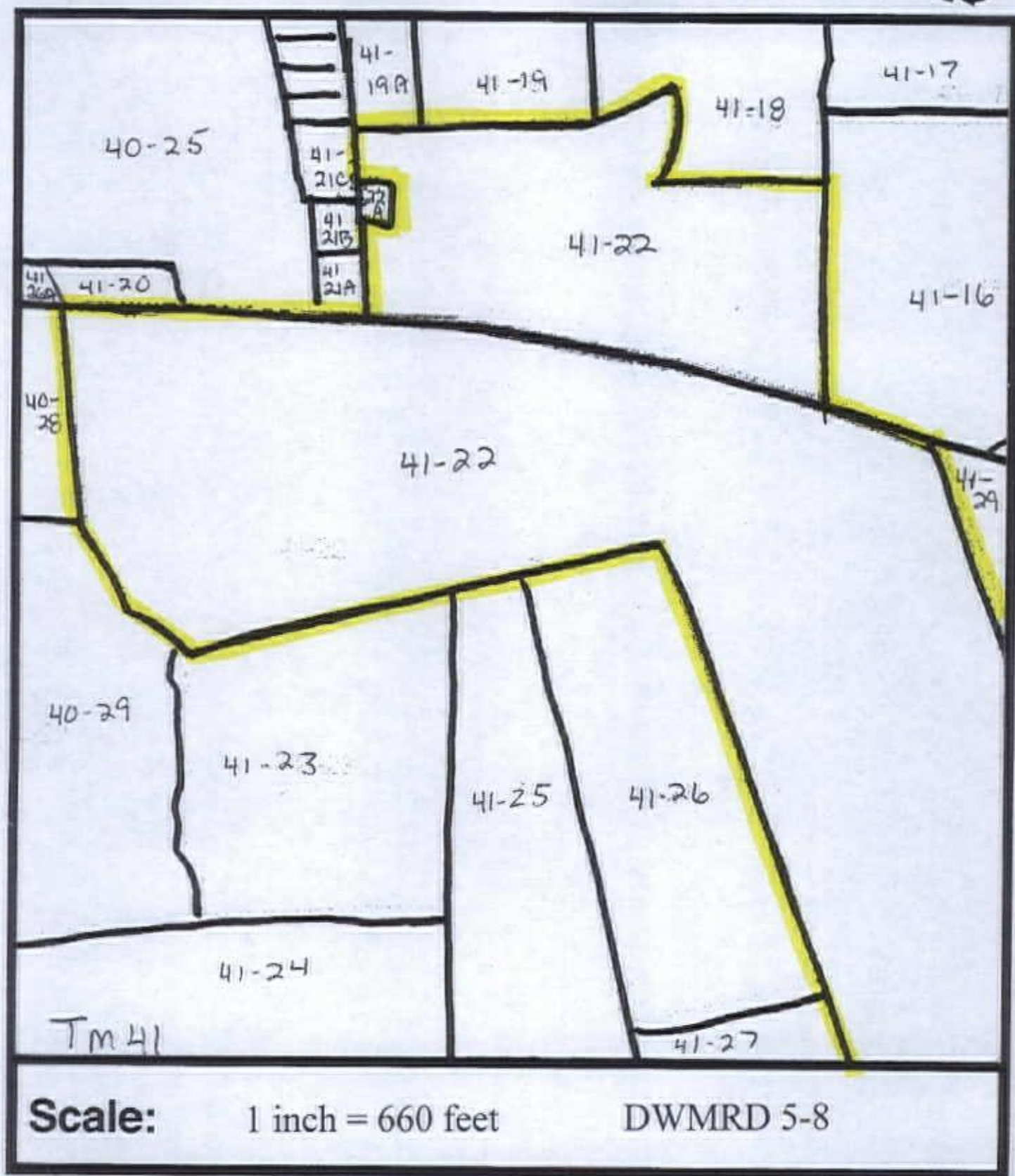




# Recyc Systems™

Inc.

(Biosolids Land Application)



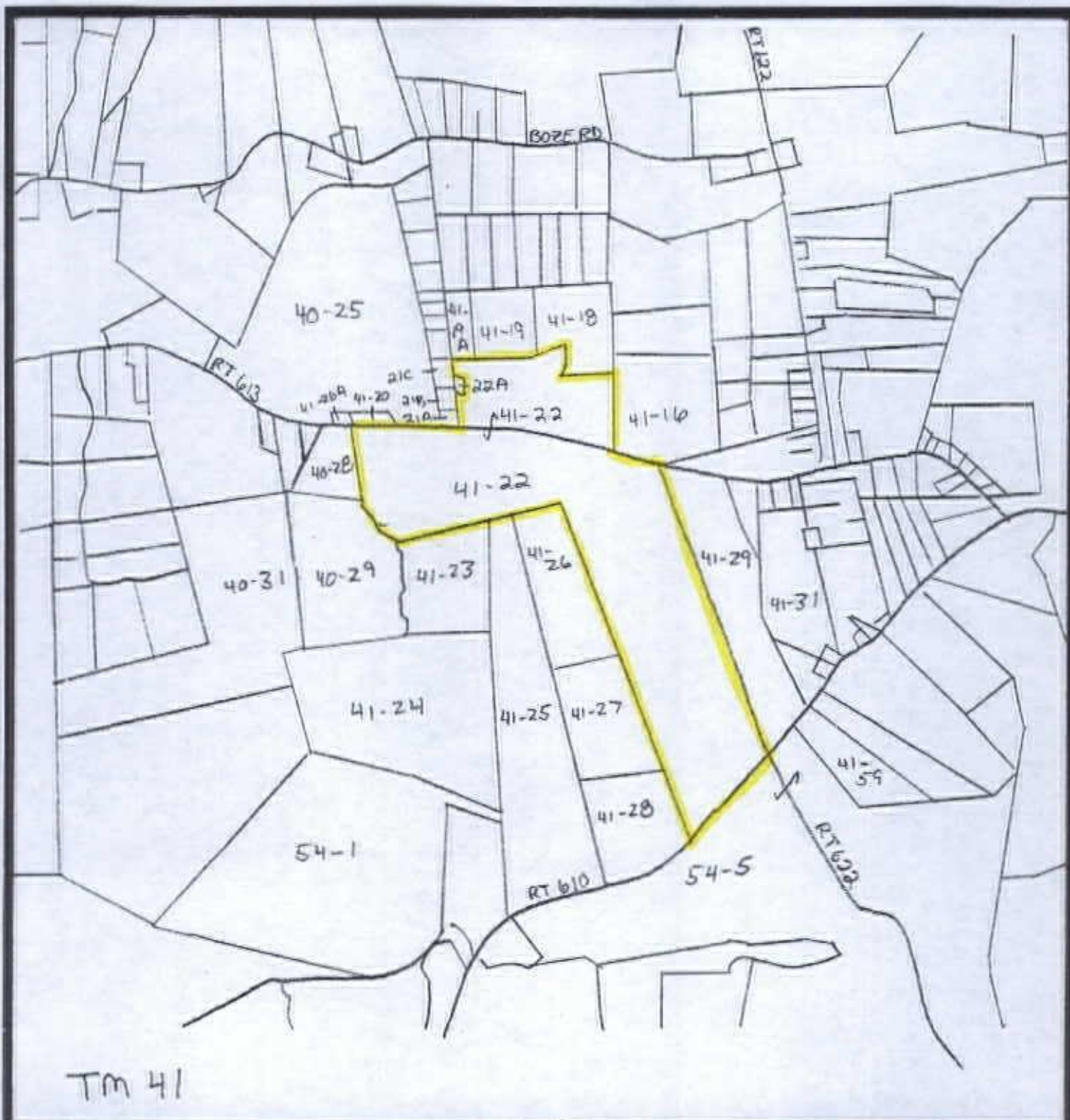
TAX MAP





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:**

1 inch = 2,000 feet

DWMRD 5-8

**TAX MAP**



# ADJOINING LANDOWNERS

Michael R. Davis Site

## DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
27	34	TIAA Timberlands 1 LLC
40	4-1	Lewis S., Jr. & Sharon R. Wood
	4-2	George Andrew Palmer
	5-A	John H. & Susan A. Bence
	5-B	Charles D. or Teresa J. Stump
	5-E	M.R. Davis, Linda D. Stinson, Brenda D. Jenkins
	10-D	Russell O. & Marry C. Gammon
	10-E	Joseph C., Jr. & Robin G. Adcock
	10-G	Russell O. & Marry C. Gammon
	10-H1	John H., III & Kathleen Y. Garrett
	11	Hawkins Memorial Church
	12-B	Russell O. & Marry C. Gammon
	12-C	David B. Gammon
	13-A	Ester J. Oh
	14	Ester J. Oh
	15	Edward C. Boze
	17	William O. & Grace C. Harrison
	19	White Oak Butterwood, LLC
	20	W.C., Jr. & Catherine B. Boze
	25	Alvin L. Davis
	26-A	Dinwiddie County School Board
	28	D. Bryant or Danna B. Gammon
	29	Midatlantic IRA, LLC
	33	Stephen D. & Lillian H. Davis
	33-B	Donald T. & Donna F. Moring
	35	Thomas R. & Judy L. Davis



# ADJOINING LANDOWNERS

Michael R. Davis Site

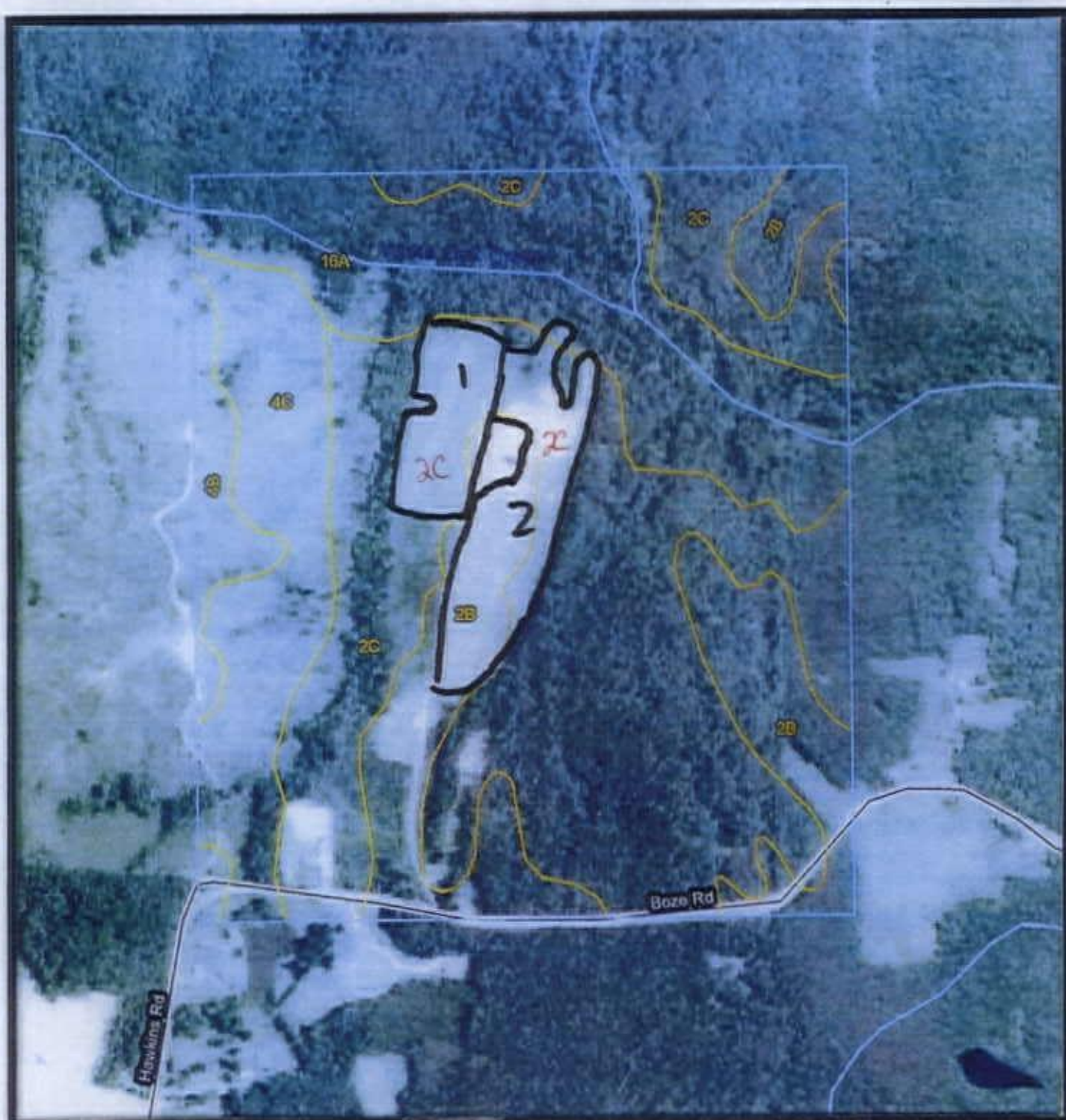
## DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
41	1	TIAA Timberlands 1, LLC
	16	Sandra K. Evans
	18	Sherry L. Braightwaight or Paul W. Voight, Jr
	19	Larry A. Frashure
	19-A	Dorothy R. Stith
	20	Stephanie L. Harris
	21-A	Bettie Fulgham
	21-B	Robert E. Dean
	21-C	Clifford Irvin
	22-A	Harvey Morgan
	23	Robert A. Williams, Jr.
	25	George T., III & Pattie L. Elder
	26	John H. Bentley
	27	TIAA Timberlands 1, LLC
	28	TIAA Timberlands 1, LLC
54	5	John R. Ragsdale, III



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:**

1 inch = 660 feet

DWMRD 1-2

**SOIL MAP**





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:**

1 inch = 660 feet

DWMRD 3-4

**SOIL MAP**





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(Biosolids Land Application)



**Scale:**

1 inch = 660 feet

DWMRD 5-8

**SOIL MAP**







T6033

Scale:

1 inch = 660 feet

DWMRD 1-2

AERIAL MAP





T2207

**Scale:**

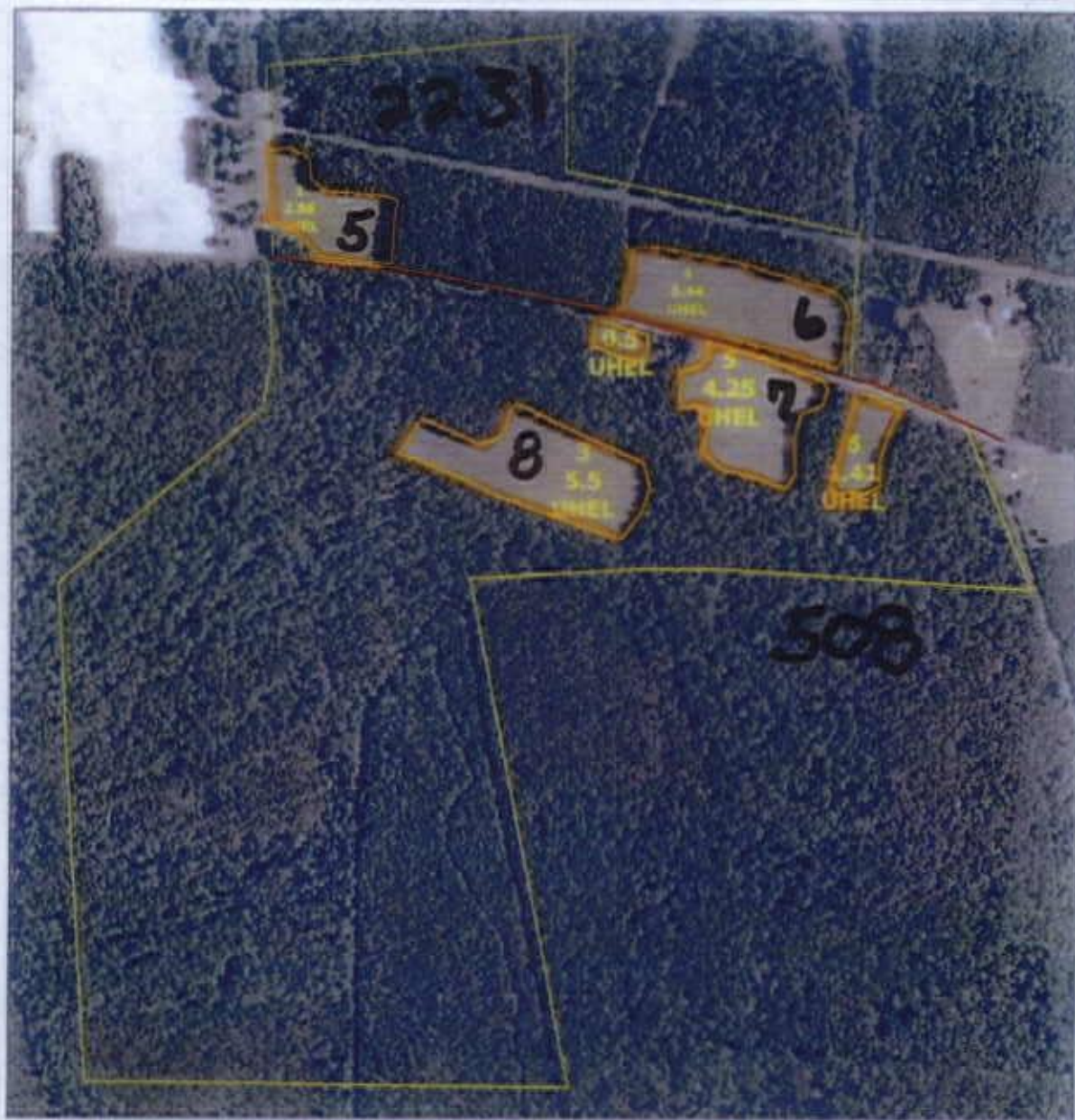
1 inch = 660 feet

DWMRD 3-4

AERIAL MAP







T 2231 + 508

Scale:

1 inch = 660 feet

DWMRD 5-8

AERIAL MAP



# Legend for Site Plan



House and Well



Well / Spring



Perennial Streams & Surface



Wet Spot

Intermittent Stream / Drainage



Trees and Woods

Private Drive



Rock / Rocky Area



Sinkhole



Severely Eroded Spot



State Road



Field Boundary / Fence



Property Line

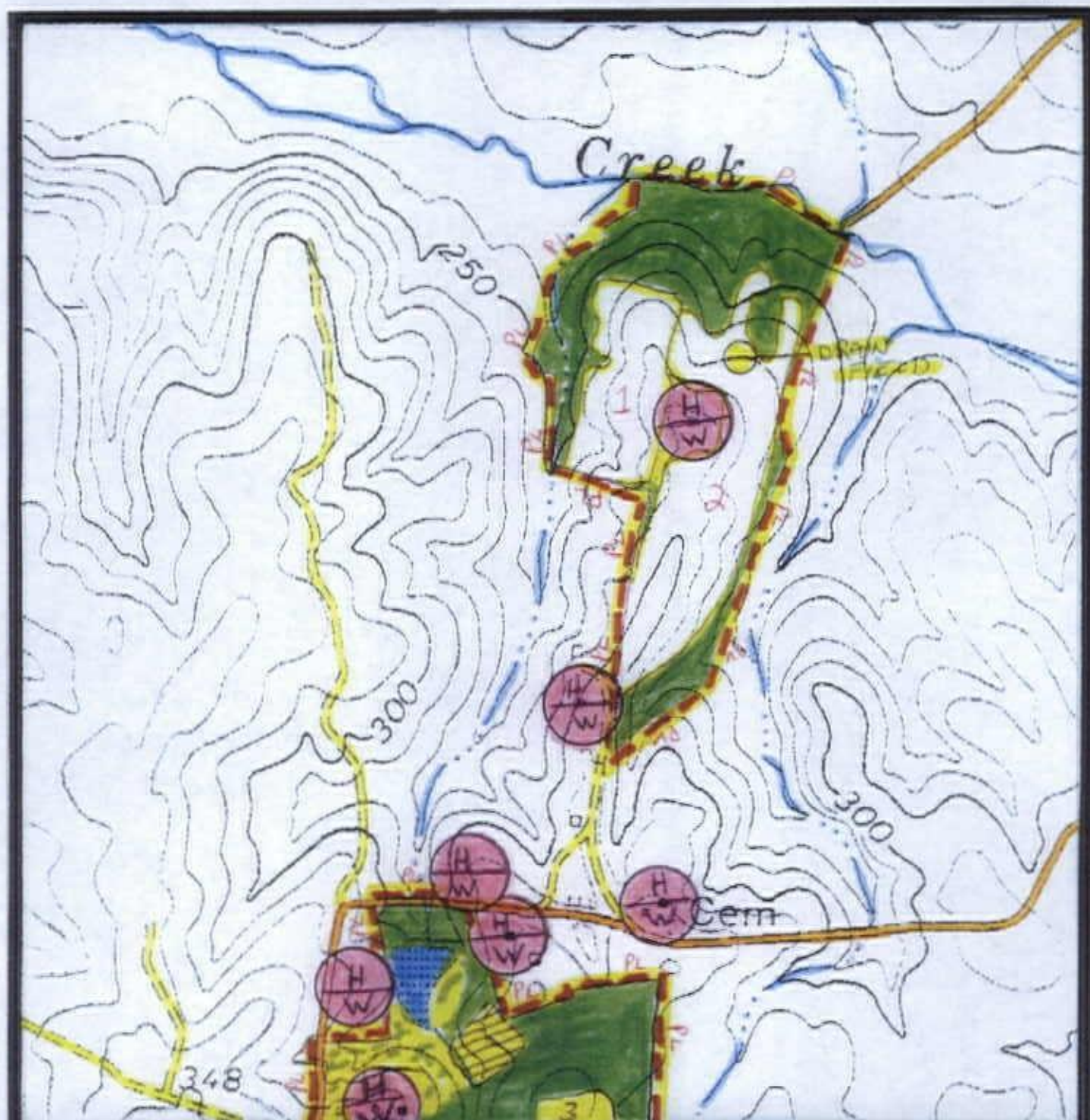


Slope



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Scale:

1 inch = 660 feet

DWMRD 1-2

SITE PLAN

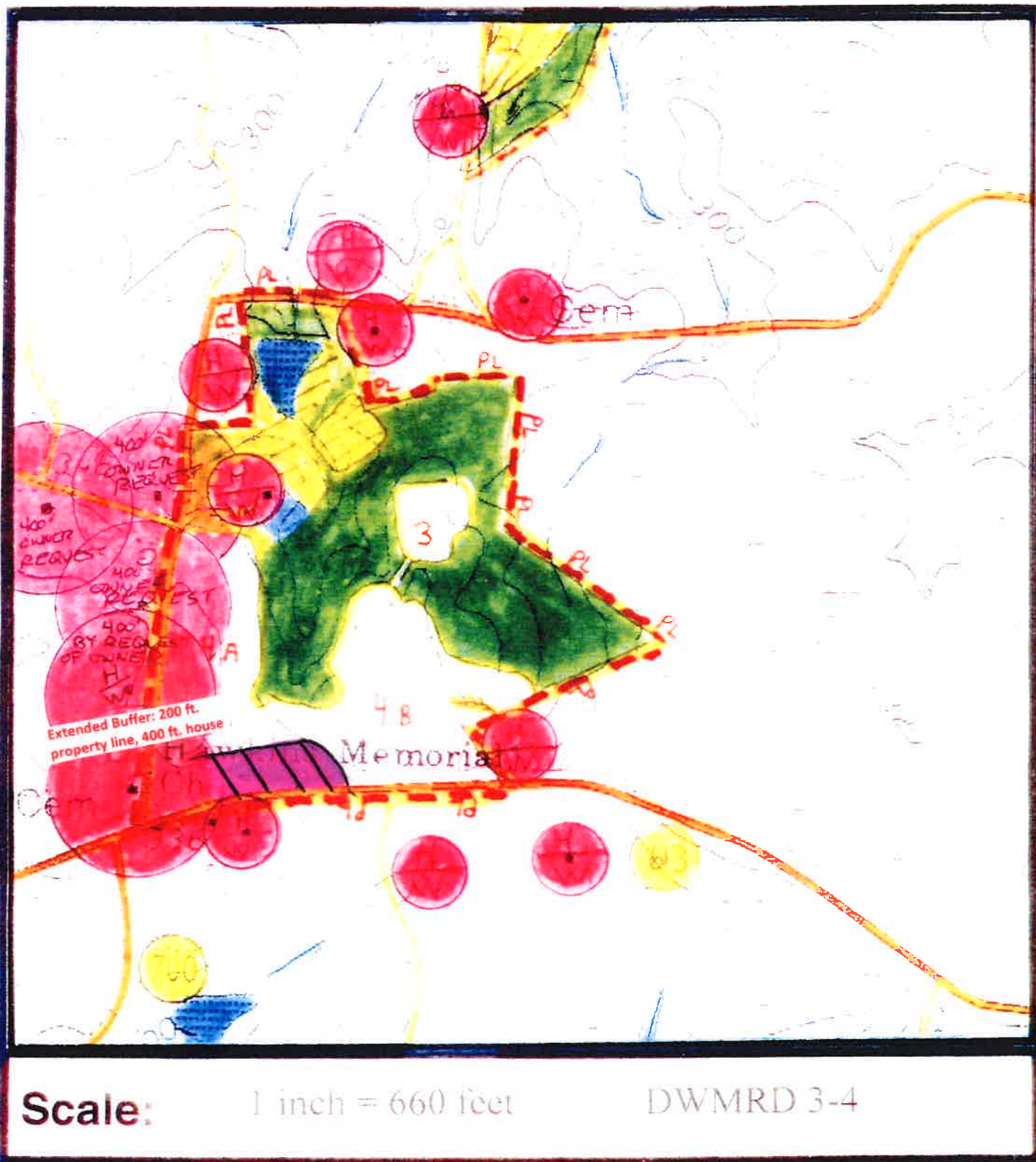




# Recyc Systems<sup>TM</sup> Inc.

\*updated 3-3-21 \*

(Biosolids Land Application)



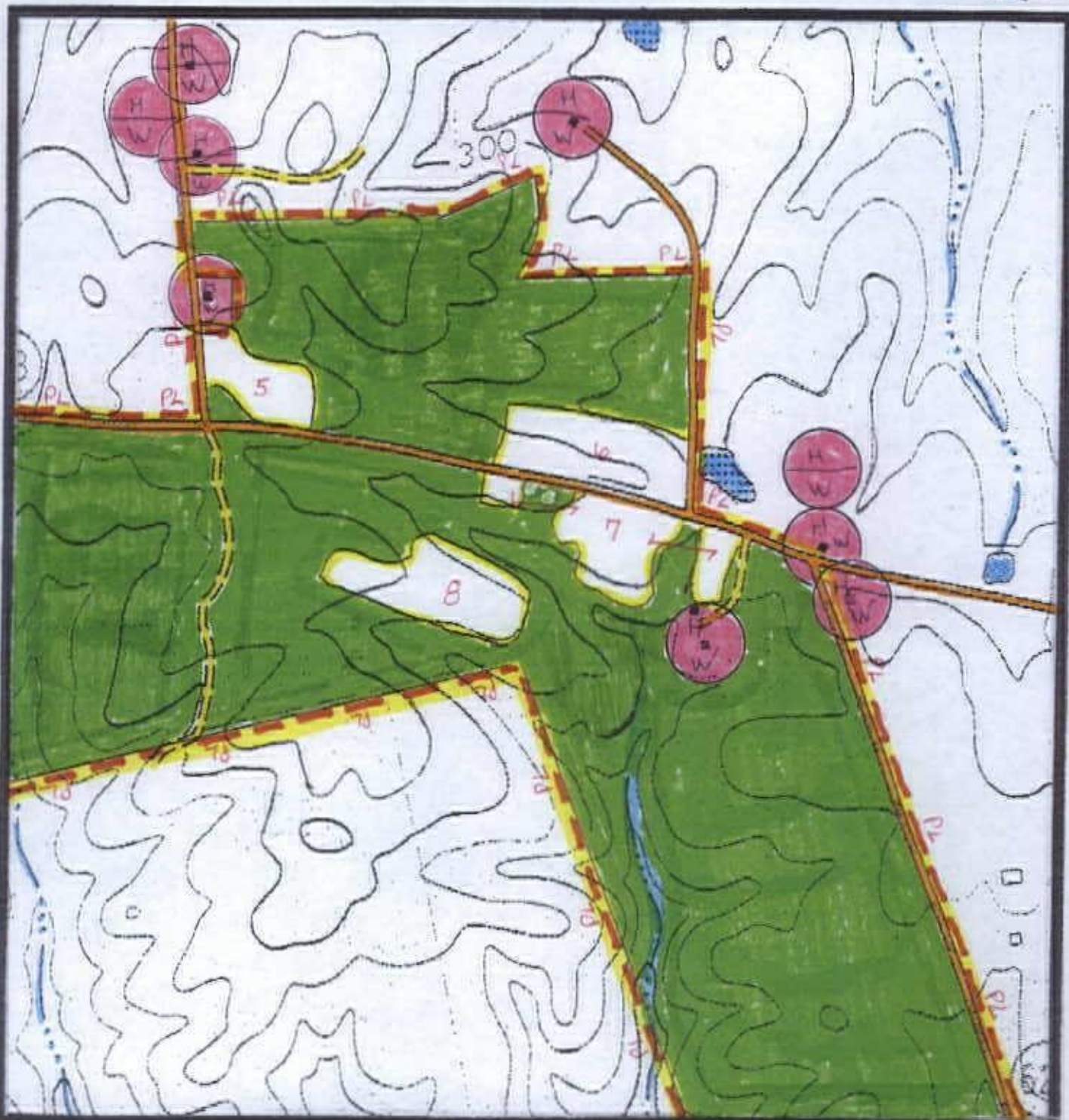
SITE PLAN

N  
A



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:**

1 inch = 660 feet

DWMRD 5-8

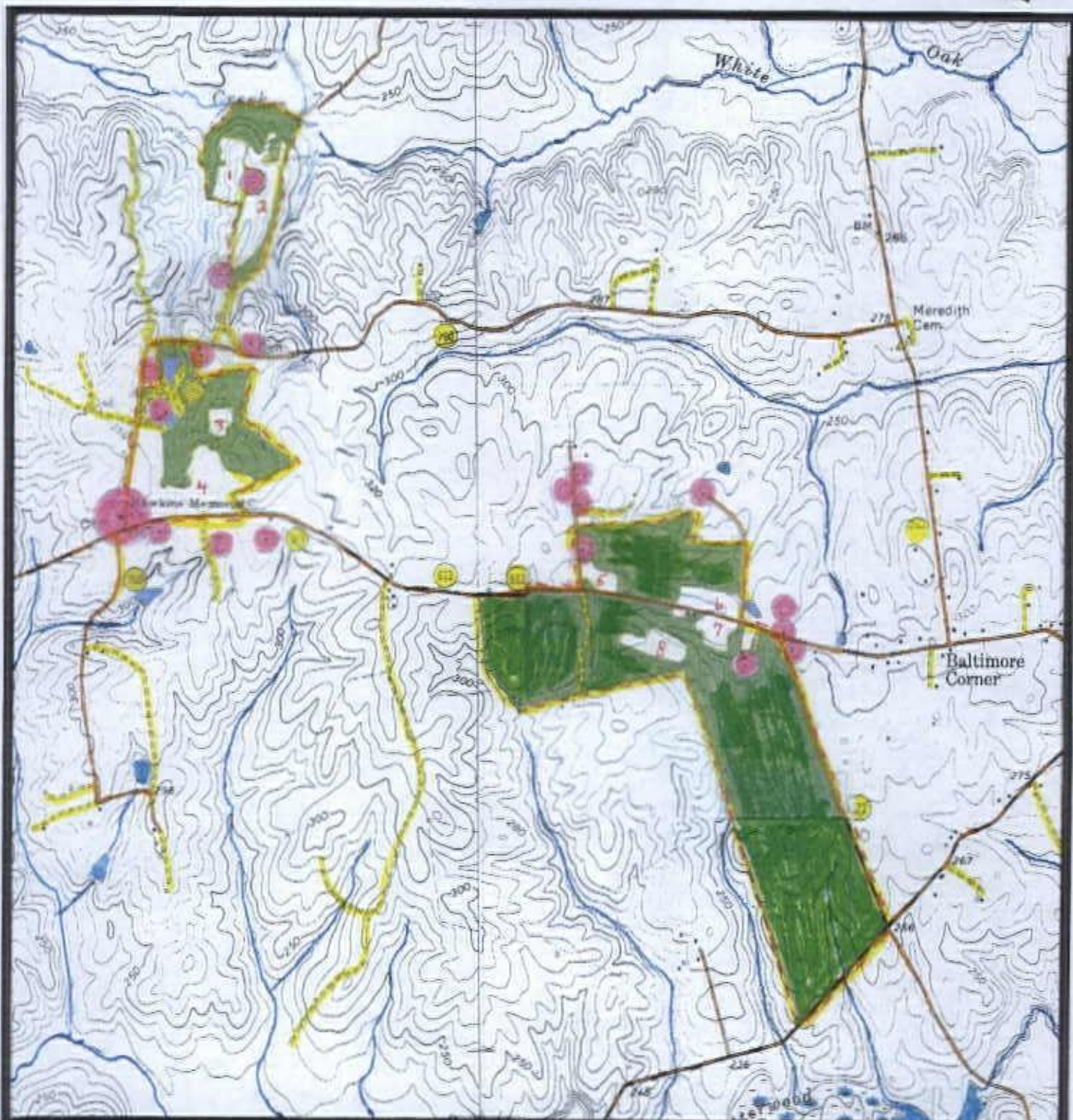
**SITE PLAN**

N  
A



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 2,000 feet DWMRD 1-8

**TOPOGRAPHIC MAP**

